

ABSTRACT

A motor drive control circuit that can operate the elements constituting a motor driver more in a safe operation region is provided. The motor drive control circuit 6 comprises a rotation control amplifier 13 that compares the lower of a voltage limiting reference voltage of a reference voltage source 23 and a rotation speed control voltage, which controls the rotation speed of the motor, on a terminal SIG with a peak voltage from an impedance element 12 that detects a drive current of a motor 2, a rotation limiting comparator 24 that compares a voltage substantially equal to the voltage limiting reference voltage with the peak voltage, a synthesis circuit 17 that amplifies rotation position detection signals from the motor according to the output voltage of the rotation control amplifier 13, a PWM output comparator 18 that compares the outputs of the synthesis circuit with a triangular wave voltage and outputs PWM signals, and a motor-driver control circuit 20 that removes an output period of the rotation limiting comparator 24 from the ON period of each PWM signal and controls a motor driver 7 that drives the motor 2.